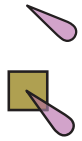
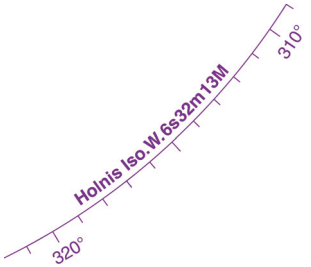
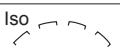
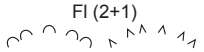
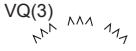
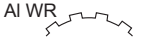
P Lights

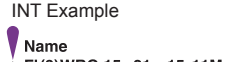
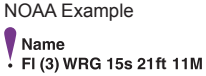
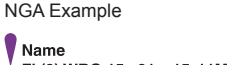
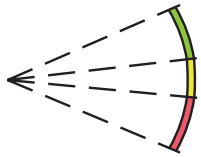
No.	INT	Description	NOAA	NGA	Other NGA	ECDIS
Light Structures and Major Floating Lights						
Minor Light Floats → Q30, 31						
1	 Lt LtHo	Major light, minor light, light, lighthouse				 Light, lighthouse, paper chart
2		Lighted offshore platform	■ PLATFORM (lighted)			 Lighted offshore platform, paper chart
3	 BY  BnTr	Lighted beacon tower	○ Marker (lighted)			 Lighted beacon tower, paper chart
4	 R BRB  Bn	Lighted beacon				 Lighted beacon, paper chart
5	 R  Bn	Articulated light, buoyant beacon, resilient beacon	○ *Art*			
6		Major floating light (light vessel, major light float, LANBY)				 Light vessel, paper chart
Note: Minor lights, fixed and floating, usually conform to IALA Maritime Buoyage System characteristics.						
7		Navigational lights on landmarks or other structures				
8		Important light off chart limits				

No.	Abbreviation INT	Abbreviation NOAA	Class of light	Illustration (Period shown)		ECDIS
Light Characters						
Light Characters on Light Buoys → Q						
10.1	F	F	Fixed			When text for lights is displayed, ECDIS uses INT abbreviations.
10.2	Occulting (total duration of light longer than total duration of darkness)					
	Oc	Oc	Single-occulting			
	Oc(2) Example	Oc (2)	Group-occulting			
	Oc(2+3) Example	Oc (2+3)	Composite group-occulting			
10.3	Isophase (duration of light and darkness equal)					
	Iso	Iso	Isophase			
10.4	Flashing (total duration of light shorter than total duration of darkness)					
	Fl	Fl	Single-flashing			
	Fl(3) Example	Fl (3)	Group-flashing			
	Fl(2+1) Example	Fl (2+1)	Composite group-flashing			
10.5	LFl	L Fl	Long-flashing (flash 2s or longer)			
10.6	Quick (repetition rate of 50 to 79 - usually either 50 or 60 - flashes per minute)					
	Q	Q	Continuous quick			
	Q(3) Example	Q (3)	Group quick			
	IQ	IQ	Interrupted quick			
10.7	Very quick (repetition rate of 80 to 159 - usually either 100 or 120 - flashes per minute)					
	VQ	VQ	Continuous very quick			
	VQ(3) Example	VQ (3)	Group very quick			
	IVQ	IVQ	Interrupted very quick			
10.8	Ultra quick (repetition rate of 160 or more - usually 240 to 300 - flashes per minute)					
	UQ	UQ	Continuous ultra quick			
	IUQ	IUQ	Interrupted ultra quick			

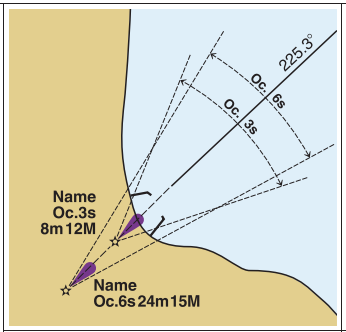
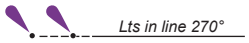
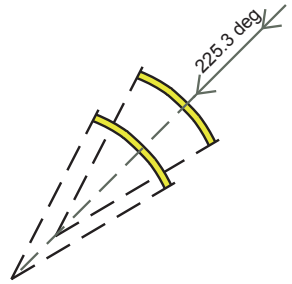
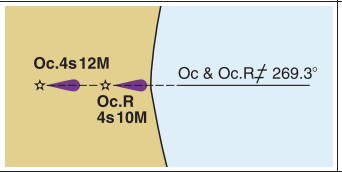
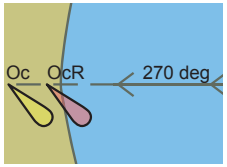
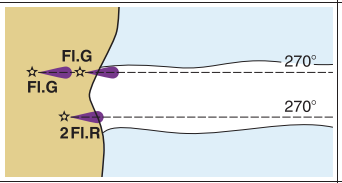
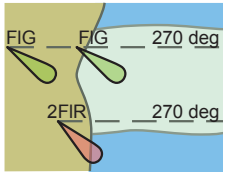
P Lights

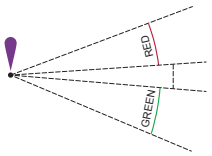
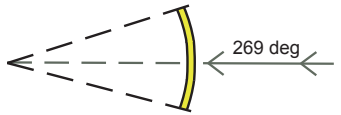
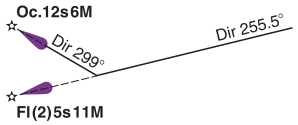
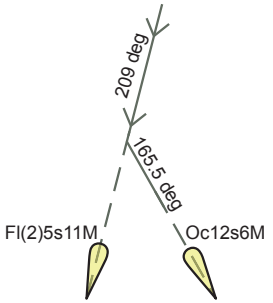
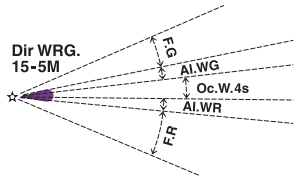
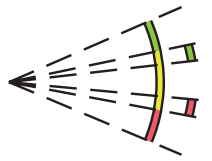
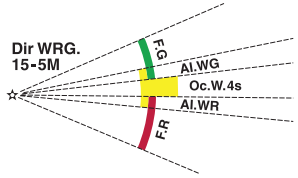
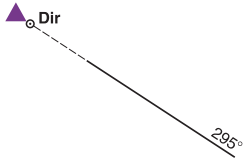
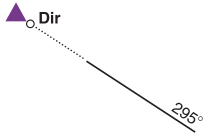
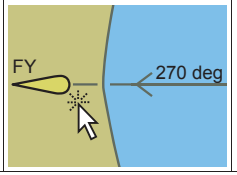
No.	Abbreviation INT	Abbreviation NOAA	Class of light	Illustration Period shown		ECDIS
10.9	Mo(K) Example	Mo (K)	Morse Code			When text for lights is displayed, ECDIS uses INT abbreviations.
10.10	FFl	F Fl	Fixed and flashing			
10.11	Al.WR	AlWR	Alternating			

No.	INT		Description	NOAA	NGA	Other NGA	ECDIS
11.1	W		White (only on sector and alternating lights)	Colors of lights shown on standard charts on multicolored charts  on multicolored charts at sector lights 			 Default light symbol if no color is encoded or color is other than red, green, white, yellow, amber, or orange  Red  Green  White, yellow, amber or orange  Sector lights
11.2	R		Red				
11.3	G		Green				
11.4	Bu		Blue				
11.5	Vi		Violet				
11.6	Y		Yellow				
11.7	Y	Or	Orange				
11.8	Y	Am	Amber				
Period							When text for lights is displayed, ECDIS uses INT abbreviations.
12	2.5s	90s	Period in seconds and tenths of a second				
Elevation							
Plane of reference for Heights → H			Tidal Levels → H				
13	12m		Elevation of light given in meters or feet	36ft			
Range							
14	15M		Light with single range				
	15/10M		Light with two different ranges	10M *only lesser of two ranges is charted*		15/10M	
	15-7M		Light with three or more ranges	7M *only least of three ranges is charted*			
Note: Charted ranges are nominal ranges given in Nautical Miles.							

No.	INT	Description	NOAA	NGA	Other NGA	ECDIS
Disposition						
15	(hor)	Horizontally disposed				 Disposition of light is obtained by cursor pick
	(vert)	Vertically disposed				
	(Δ) (∇)	3 lights disposed in the shape of a triangle				
Example of a Full Light Description						
16	INT Example  **Name** **☆ Fl(3)WRG.15s 21m 15-11M**		NOAA Example  **Name** **Fl (3) WRG 15s 21ft 11M**	NGA Example  **Name** **Fl (3) WRG 15s 21m 15-11M**		 **FlR15s21m11M**
	Fl(3)	Class of light: group flashing repeating a group of three flashes	Fl(3)	Class of light: group flashing repeating a group of three flashes		The descriptions of non-sector lights are shown in ECDIS when the display of text is turned on, as shown above. (The aid to navigation or other structure that is always shown attached to a light flare in ECDIS is not depicted here.) Sector lights (as described in the INT, NOAA and NGA examples at left) are depicted graphically in ECDIS, as shown below and in P40.
	WRG	Colors: white, red, green, exhibiting the different colors in defined sections	WRG	Colors: white, red, green, exhibiting the different colors in defined sections		
	15s	Period: the time taken to exhibit one full sequence of three flashes and eclipses: 15 seconds	15s	Period: the time taken to exhibit one full sequence of three flashes and eclipses: 15 seconds		
	21m	Elevation of focal plane above datum: 21 meters		Elevation of light:		 The description of a sector light or any other type of light may always be obtained by cursor pick.
			21ft	21 feet		
			21m	21 meters		
	15-11M	Nominal range: white 15M, green 11M, red between 15 and 11M		Nominal range:		
			11M	shortest range of all the lights is 11M		
			15-11M	white 15M, green 11M, red between 15 and 11M		

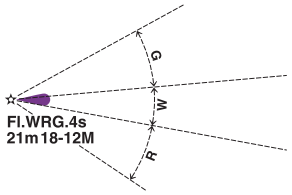
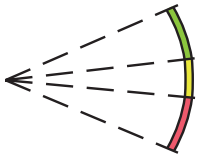
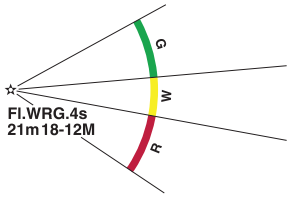
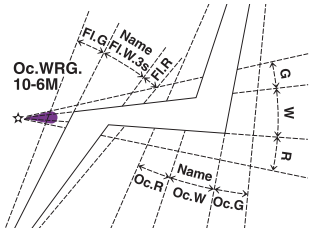
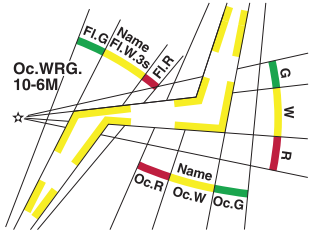
P Lights

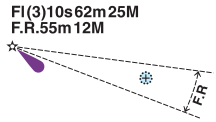
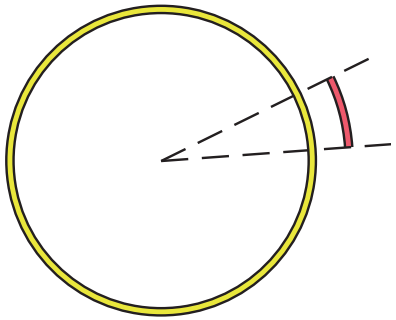
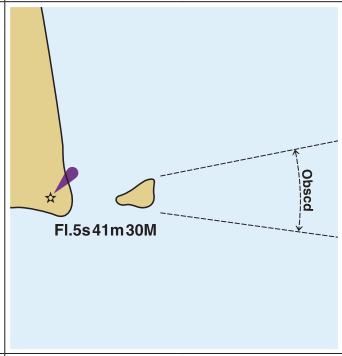
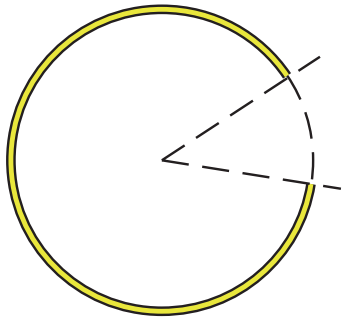
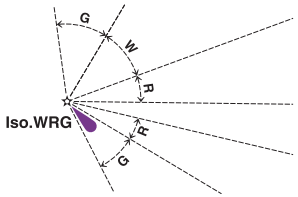
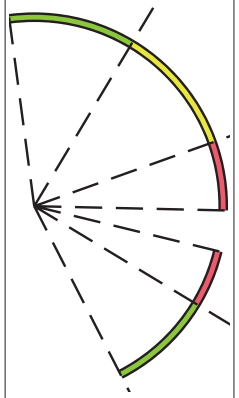
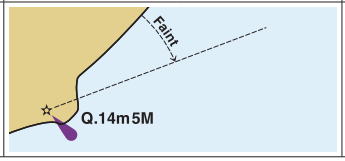
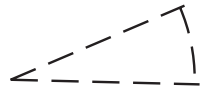
No.	INT	Description	NOAA	NGA	Other NGA	ECDIS	
Lights Marking Fairways							
Leading Lights and Lights in Line							
20.1		Leading lights with leading line (solid line is the track to be followed) and arcs of visibility Bearing given in degrees and tenths of a degree				Leading lights with sectors 	
20.2		Leading lights (≠ means lights in line) Bearing given in degrees and tenths of a degree					Leading lights
20.3		Leading lights on small scale charts					
21		Lights in line, marking the sides of a channel					Lights in line, marking the sides of a channel
22	Rear Lt or Upper Lt	Rear or upper light					
23	Front Lt or Lower Lt	Front or lower light					

No.	INT	Description	NOAA	NGA	Other NGA	ECDIS
Direction Lights						
30.1		Direction light with narrow sector and course to be followed, flanked by darkness or unintensified light				Directional light with sector 
30.2		Direction light with course to be followed, sector(s) uncharted				Directional light without sector 
30.3		Direction light with narrow fairway sector flanked by light sectors of different character on standard charts				 Light, directional
30.4		Direction light with narrow fairway sector flanked by light sectors of different character on multicolored charts				
31		Moiré effect light (day and night), arrows show when course alteration needed				 Category of light as moiré effect is obtained by cursor pick

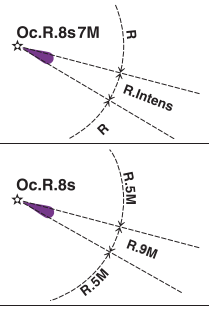
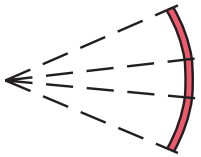
Note: Quoted bearings are always from seaward.

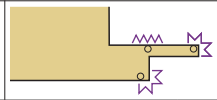
P Lights

No.	INT	Description	NOAA	NGA	Other NGA	ECDIS	
Sector Lights							
40.1		Sector light on standard charts					Light, sector
							
40.2		Sector light on multicolored charts					
41.1		Sector lights on standard charts, the white sector limits marking the sides of the fairway					
41.2		Sector lights on multicolored charts, the white sector limits marking the sides of the fairway					

No.	INT	Description	NOAA	NGA	Other NGA	ECDIS
42		Main light visible all-round with red subsidiary light seen over danger				Light, danger 
43		All-round light with obscured sector				Light, obscured 
44		Light with arc of visibility deliberately restricted				 Light, restricted
45		Light with faint sector				 Light, faint

P Lights

No.	INT	Description	NOAA	NGA	Other NGA	ECDIS	
46		Light with intensified sector				Intensified light visibility is obtained by cursor pick	 Light, intensified
Lights with Limited Times of Exhibition							
50	F.R.(occas)	Lights exhibited only when specially needed (for fishing vessels, ferries) and some private lights	Occas	F R (occas)		Status and condition of light is obtained by cursor pick	
51	Fl.10s40m27M (F.37m11M Day)	Daytime light (charted only where the character shown by day differs from that shown at night)		F Bu 9m 6M (F by day)			
52	Name Q.WRG.5m10-3M (Fl.5s Fog)	Fog light (exhibited only in fog, or character changes in fog)					
53	† Fl.5s(U)	Unwatched (unmanned) light with no standby or emergency arrangements					
54	(temp)	Temporary					
55	(exting)	Extinguished					
Special Lights							
Flare Stack (as sea) → L	Flare Stack (on land) → E	Signal Stations → T					
60	Aero Al.Fl.WG.7.5s11M	Aero light (may be unreliable)	AERO	AERO Al WG 7.5s 108m 13M	AERO	AeroAlFlWG7.5s11M	Light
61.1	† Aero F.R.313m11M RADIO MAST (353)	Air obstruction light of high intensity (e.g. on radio mast)		AERO F R 77m 11M		AeroFR313m11M	Conspicuous mast with light
61.2	(89) (R Lts)	Air obstruction light of low intensity (e.g. on radio mast)		TR (RLts)			
62	Fog Det Lt	Fog detector light				Category of light is obtained by cursor pick	
63	(Illuminated)	Floodlit, floodlighting of a structure					Floodlight

No.	INT	Description	NOAA	NGA	Other NGA	ECDIS	
64		Strip light					Strip light
65	(priv)	Private light other than one exhibited occasionally	Priv	F R (priv)	Priv maintd		Status of private is obtained by cursor pick
66	(sync)	Synchronized light					
Supplementary National Symbols							
a		Riprap surrounding light					
b		Short-Long Flashing			S-L Fl		
c		Group-Short Flashing			G-S Fl		
d		Fixed and Group Flashing			F Gp Fl		
e		Unmanned light-vessel; light float			*FLOAT*		
f		LANBY, superbuoy as navigational aid